

| L Number | Hits | Search Text  | DB  | Time stamp       |
|----------|------|--|---|------------------|
| 1        | 2917 | ((438/5) or (438/6) or (438/10) or (438/11) or (438/13) or (438/14) or (438/17) or (438/18) or (324/719)).CCLS.  | USPAT;<br>US-PGPUB                                      | 2004/05/31 09:27 |
| 2        | 0    | ((438/5) or (438/6) or (438/10) or (438/11) or (438/13) or (438/14) or (438/17) or (438/18) or (324/719)).CCLS.) and input near3 match\$3 and power adj transistor | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/31 09:27 |
|          | 1630 | power adj transistor.ti,ab. and amplifier.ti,ab.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/30 17:50 |
|          | 222  | power adj transistor.ti. and amplifier.ti.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/01/10 08:48 |
|          | 23   | power adj transistor.ti. and amplifier.ti. and (rf or radio adj frequency).ti,ab.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/01/10 10:05 |
|          | 126  | power adj transistor.ti. and (rf or radio adj frequency).ti,ab.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/01/10 10:07 |
|          | 87   | power adj transistor.ti. and (rf or radio adj frequency).ti.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/01/10 10:30 |
|          | 220  | internal adj matching  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/01/10 10:31 |
|          | 48   | internal adj matching with transistor.ti,ab.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/01/10 10:34 |
|          | 0    | (internal adj matching with transistor.ti,ab.) and ldmos   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/01/10 10:35 |
|          | 0    | (internal adj matching with transistor.ti,ab.) and ldmosfet  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/01/10 10:35 |
|          | 0    | (internal adj matching with transistor.ti,ab.) and mosfet  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/01/10 10:35 |
|          | 12   | (internal adj matching with transistor.ti,ab.) and field adj effect adj transistor   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/01/10 10:35 |
|          | 0    | JP-2001024148<br>JP-05218102<br>JP-04321308<br>JP-01283951<br>JP-02005459<br>JP-01199436<br>JP-63086904<br>JP-55091148   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/01/10 12:12 |

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| 14 | JP-05218102\$-\$.did.<br>JP-04321308\$-\$.did.<br>JP-01283951\$-\$.did.<br>JP-02005459\$-\$.did.<br>JP-01199436\$-\$.did.<br>JP-63086904\$-\$.did.<br>JP-55091148\$-\$.did.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/01/10 12:13 |
| 10 | ((("5371405") or ("6281756") or ("5576661")<br>or ("5206608") or ("5206608"))).PN.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/01/10 12:14 |
| 4  | EP-680141\$-\$.did.<br>JP-01050602\$-\$.did.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/01/10 12:15 |
| 0  | ((JP-05218102\$-\$.did.<br>JP-04321308\$-\$.did.<br>JP-01283951\$-\$.did.<br>JP-02005459\$-\$.did.<br>JP-01199436\$-\$.did.<br>JP-63086904\$-\$.did.<br>JP-55091148\$-\$.did.) or (((("5371405") or<br>("6281756") or ("5576661") or ("5206608")<br>or ("5206608"))).PN.) or (EP-680141\$-\$.did.<br>JP-01050602\$-\$.did.<br>) and substrate and transistor and input<br>adj matching and lead and wir\$3 and<br>impedance and (die or dice or chip) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/01/10 12:17 |
| 0  | ((JP-05218102\$-\$.did.<br>JP-04321308\$-\$.did.<br>JP-01283951\$-\$.did.<br>JP-02005459\$-\$.did.<br>JP-01199436\$-\$.did.<br>JP-63086904\$-\$.did.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/01/10 12:17 |
| 8  | JP-55091148\$-\$.did.) or (((("5371405") or<br>("6281756") or ("5576661") or ("5206608")<br>or ("5206608"))).PN.) or (EP-680141\$-\$.did.<br>JP-01050602\$-\$.did.<br>) and substrate and transistor and input<br>adj matching and lead and wir\$3  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/01/10 12:17 |
| 8  | ((JP-05218102\$-\$.did.<br>JP-04321308\$-\$.did.<br>JP-01283951\$-\$.did.<br>JP-02005459\$-\$.did.<br>JP-01199436\$-\$.did.<br>JP-63086904\$-\$.did.<br>JP-55091148\$-\$.did.) or (((("5371405") or<br>("6281756") or ("5576661") or ("5206608")<br>or ("5206608"))).PN.) or (EP-680141\$-\$.did.<br>JP-01050602\$-\$.did.<br>) and substrate and transistor and<br>match\$3  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/01/10 12:17 |

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|  | 2    | ((JP-05218102\$-\$\$.did.<br>JP-04321308\$-\$\$.did.<br>JP-01283951\$-\$\$.did.<br>JP-02005459\$-\$\$.did.<br>JP-01199436\$-\$\$.did.<br>JP-63086904\$-\$\$.did.<br>JP-55091148\$-\$\$.did.) or (((("5371405") or<br>("6281756") or ("5576661") or ("5206608")<br>or ("5206608")).PN.) or (EP-680141\$-\$\$.did.<br>JP-01050602\$-\$\$.did.<br>)) and substrate and transistor and<br>match\$3 and lead\$1                          | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/01/10 12:18 |
|  | 2    | ((JP-05218102\$-\$\$.did.<br>JP-04321308\$-\$\$.did.<br>JP-01283951\$-\$\$.did.<br>JP-02005459\$-\$\$.did.<br>JP-01199436\$-\$\$.did.<br>JP-63086904\$-\$\$.did.<br>JP-55091148\$-\$\$.did.) or (((("5371405") or<br>("6281756") or ("5576661") or ("5206608")<br>or ("5206608")).PN.) or (EP-680141\$-\$\$.did.<br>JP-01050602\$-\$\$.did.<br>)) and substrate and transistor and<br>match\$3 and lead\$1 and wir\$3               | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/01/10 12:18 |
|  | 2    | ((JP-05218102\$-\$\$.did.<br>JP-04321308\$-\$\$.did.<br>JP-01283951\$-\$\$.did.<br>JP-02005459\$-\$\$.did.<br>JP-01199436\$-\$\$.did.<br>JP-63086904\$-\$\$.did.<br>JP-55091148\$-\$\$.did.) or (((("5371405") or<br>("6281756") or ("5576661") or ("5206608")<br>or ("5206608")).PN.) or (EP-680141\$-\$\$.did.<br>JP-01050602\$-\$\$.did.<br>)) and substrate and transistor and<br>match\$3 and lead\$1 and wir\$3 and impedance | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/01/10 13:41 |
|  | 1    | ((JP-05218102\$-\$\$.did.<br>JP-04321308\$-\$\$.did.<br>JP-01283951\$-\$\$.did.<br>JP-02005459\$-\$\$.did.<br>JP-01199436\$-\$\$.did.<br>JP-63086904\$-\$\$.did.<br>JP-55091148\$-\$\$.did.) or (((("5371405") or<br>("6281756") or ("5576661") or ("5206608")<br>or ("5206608")).PN.) or (EP-680141\$-\$\$.did.<br>JP-01050602\$-\$\$.did.<br>)) and (wir\$3 with impedance)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/01/10 13:43 |
|  | 4393 | (wir\$3 with impedance).ti,ab.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/01/10 13:43 |
|  | 207  | (wir\$3 with impedance).ti,ab. and<br>257/\$6.ccls.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/01/10 13:44 |
|  | 13   | (bonding adj2 wir\$3 near5<br>impedance).ti,ab. and 257/\$6.ccls.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/01/10 16:39 |
|  | 3    | 5371405.pn.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/01/10 16:40 |
|  | 2    | 6281756.pn.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/01/10 16:42 |

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| - | 545  | 257/664  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB            | 2002/01/10 16:43 |
| - | 27   | (JP-05218102\$-\$\$.did.<br>JP-04321308\$-\$\$.did.<br>JP-01283951\$-\$\$.did.<br>JP-02005459\$-\$\$.did.<br>JP-01199436\$-\$\$.did.<br>JP-63086904\$-\$\$.did.<br>JP-55091148\$-\$\$.did.) or (((("5371405") or<br>("6281756") or ("5576661") or ("5206608")<br>or ("5206608"))).PN.) or (EP-680141\$-\$\$.did.<br>JP-01050602\$-\$\$.did.<br>) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB            | 2002/01/10 16:44 |
| - | 0    | jp-404048756\$-\$\$.did.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB            | 2002/01/10 16:45 |
| - | 2    | jp-04048756\$-\$\$.did.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB            | 2002/01/10 16:48 |
| - | 1768 | 257/700  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB            | 2002/01/10 16:48 |
| - | 742  | 257/728  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB            | 2002/01/10 16:48 |
| - | 16   | (257/664 or 257/700 or 257/728) and wir\$3<br>and substrate and power adj transistor and<br>matching and impedance   | IBM_TDB<br>USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/01/10 16:50 |
| - | 212  | trench same gate same high adj voltage   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB            | 2002/01/11 07:57 |
| - | 46   | trench same gate same high adj voltage and<br>field adj effect adj transistor and<br>257/\$6.ccls.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB            | 2002/01/11 07:58 |
| - | 6    | (trench.ti,ab. same gate same high adj<br>voltage) and field adj effect adj<br>transistor and 257/\$6.ccls.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB            | 2002/01/11 07:59 |
| - | 2937 | 257/664 or 257/700 or 257/728  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB            | 2002/06/30 15:50 |
| - | 33   | (257/664 or 257/700 or 257/728) and<br>impedance near12 (tailor or tailored or<br>adjust or adjustment)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB            | 2002/06/30 15:52 |
| - | 8    | (257/664 or 257/700 or 257/728) and<br>impedance near12 (tailor or tailored or<br>adjust or adjustment) and (length or<br>number) near12 wire  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB            | 2002/06/30 16:16 |

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| - | 325  | impedance near12 (tailor or tailored or adjust or adjustment) and (length or number) near12 wire   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/06/30 16:17 |
| - | 227  | impedance near6 (tailor or tailored or adjust or adjustment) and (length or number) near6 wire   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/06/30 16:18 |
| - | 11   | impedance near4 (tailor or tailored or adjust or adjustment) and (length or number) near4 wire and (variance or rms or root-mean-square or root adj mean adj square) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/06/30 16:19 |
| - | 2    | ("5371405").PN.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/10/02 09:33 |
| - | 2    | ("6281756").PN.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/10/02 09:38 |
| - | 0    | ("jp-4048756").PN.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/10/02 09:38 |
| - | 0    | jp-04048756  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/10/02 09:38 |
| - | 2    | jp-04048756\$-\$\$.did.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/10/02 09:38 |
| - | 1135 | impedance near6 (match or matching or matched) near6 (wire or wiring)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/11/12 17:10 |
| - | 488  | impedance adj matching near6 (wire or wiring)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/11/12 17:10 |
| - | 47   | impedance adj matching near6 (wire or wiring) and (257/\$6.ccls. or 438/\$6.ccls.)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/11/12 19:45 |
| - | 0    | trimmable near2 (bonding or bond) near2 (wire or wiring)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/11/12 19:46 |
| - | 5    | trimmable near12 (bonding or bond) near12 (wire or wiring)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/11/12 19:58 |
| - | 8    | trimmable adj (resistance or resistor) near3 laser and (257/\$6.ccls. or 438/\$6.ccls.)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2002/11/12 20:08 |

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| 0    | trimmable adj (resistance or resistor)<br>near6 laser near6 (wire or wiring) and<br>(257/\$6.ccls. or 438/\$6.ccls.)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB | 2002/11/12 20:04 |
| 5    | trimmable adj (resistance or resistor)<br>near6 (wire or wiring) and (257/\$6.ccls.<br>or 438/\$6.ccls.)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB | 2002/11/12 20:04 |
| 20   | trimmable adj (resistance or resistor)<br>near3 laser.ti,ab.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB | 2002/11/12 20:19 |
| 0    | trimmable adj (resistance or resistor)<br>near3 wire.ti,ab.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB | 2002/11/12 20:19 |
| 0    | trimmable adj wire.ti,ab.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB | 2002/11/12 20:19 |
| 8365 | (trimmablele adj resistor-switch or rs)<br>near12 (wire or wiring)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB | 2002/11/13 08:05 |
| 92   | (trimmable adj resistor-switch or rs)<br>near12 (wire or wiring) near12 (testing or<br>test)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB | 2002/11/13 08:11 |
| 0    | (trimmable adj resistor-switch or rs)<br>near12 (wire or wiring) near12 (testing or<br>test) near12 impedance   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB | 2002/11/13 08:11 |
| 27   | (trimmable adj resistor-switch or rs)<br>near12 (wire or wiring) near12 (testing or<br>test) and (438/\$6.ccls. or 257/\$6.ccls. or<br>324/\$6.ccls.)                               | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB | 2002/11/13 08:33 |
| 287  | (secure or securing) near3 (die or chip)<br>near3 substrate   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB | 2003/01/23 15:00 |
| 2    | (secure or securing) near3 (die or chip)<br>near3 substrate and (test or testing or<br>measure or measuring) near3 performance<br>adj characteristic                                | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB | 2003/01/23 15:02 |
| 2    | (secure or securing) near3 (die or chip)<br>near3 substrate and (test or testing or<br>measure or measuring or determine or<br>determining) near3 performance adj<br>characteristic | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB | 2003/01/23 15:09 |
| 8    | impedance near3 adjust same length near3<br>wire  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB | 2003/01/23 15:09 |
| 37   | (resistance or impedance) near3 (adjust or<br>adjustment) same (length near3 (wire or<br>wiring))   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM TDB | 2003/01/23 15:10 |

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| - | 0    | (resistance or impedance) near3 (adjust or adjustment) near12 (length near3 (wire or wiring)) and (die or chip) near12 substrate  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/01/23 15:12 |
| - | 1    | (resistance or impedance) near3 (adjust or adjustment) near12 (length near3 (wire or wiring)) and (die or chip) same substrate  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/01/23 15:12 |
| - | 27   | (US-6177801-\$ or US-6084946-\$ or US-6060778-\$ or US-5978449-\$ or US-5864602-\$ or US-5862040-\$ or US-5578931-\$ or US-5528156-\$ or US-5633595-\$ or US-5600240-\$ or US-6389109-\$ or US-5592099-\$ or US-5589780-\$ or US-6417672-\$ or US-6385297-\$ or US-6225811-\$ or US-4320338-\$ or US-3660249-\$ or US-5485093-\$ or US-5250908-\$ or US-4495465-\$ or US-6456088-\$).did. or (US-20020105336-\$).did. or (EP-103971-\$).did. or (JP-01282476-\$ or JP-62272550-\$ or JP-04102345-\$).did. | USPAT;<br>US-PGPUB;<br>EPO; JPO                         | 2003/01/23 15:44 |
| - | 62   | (trimmable adj resistor-switch or rs) near12 (wire or wiring) near12 (testing or test) not (438/\$6.ccls. or 257/\$6.ccls. or 324/\$6.ccls.)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/01/23 16:36 |
| - | 4168 | ((438/10) or (438/11) or (438/13) or (438/17) or (438/18)).CCLS.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/01/23 16:37 |
| - | 2    | ((438/10) or (438/11) or (438/13) or (438/17) or (438/18)).CCLS.) and impedance near3 match\$3 and power adj2 (transistor or FET or MOSFET or NMOSFET or CMOSFET or PMOSFET or VMOSFET or UMOSFET or DMOSFET or field adj effect adj transistor)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/01/23 16:39 |
| - | 0    | (wire or wiring) near6 (varied or varying) near6 number near12 impedance and power.ti,ab. and (die or chip) and substrate   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/01/23 19:05 |
| - | 28   | power adj2 (semiconductor or transistor).ti,ab. and impedance near12 (adjust or adjusting or match or matching) near12 (wire or wiring or lead or leads)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/01/24 09:45 |
| - | 15   | (US-5973567-\$ or US-5880517-\$ or US-5696466-\$ or US-5552636-\$ or US-5446959-\$ or US-5023189-\$ or US-4042952-\$ or US-6501159-\$ or US-6177834-\$).did. or (US-20020134993-\$ or US-20010038310-\$ or US-20010004115-\$).did. or (JP-11238851-\$).did. or (EP-1237189-\$ or US-6177834-\$).did.  | USPAT;<br>US-PGPUB;<br>JPO;<br>DERWENT                  | 2003/01/24 08:45 |
| - | 437  | interconnect\$3.ti,ab. and semiconductor.ti,ab. and line adj width  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/01/24 09:47 |
| - | 34   | (interconnect\$3.ti,ab. and semiconductor.ti,ab. and line adj width) and impedance  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/01/24 10:27 |



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| - | 953 | (438/14).CCLS.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/01/24 10:27 |
| - | 12  | ((438/14).CCLS.) and impedance near12<br>(wire or wiring or interconnect\$3)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/01/24 10:38 |
| - | 0   | impedance near3 matching adj circuit<br>near12 (number near3 wires)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/01/24 10:41 |
| - | 382 | (324/719).CCLS.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/31 09:25 |
| - | 120 | impedance near6 wires near6 number  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/01/24 10:46 |
| - | 0   | ((324/719).CCLS.) and (impedance near6<br>wires near6 number)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/01/24 10:46 |
| - | 6   | adjust\$3 near6 impedance near6 wires near6<br>number   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/01/24 10:47 |
| - | 7   | adjust\$4 near6 impedance near6 wires near6<br>number   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/01/24 11:48 |
| - | 2   | (("5023189") or ("6331804")).PN.  | USPAT   | 2003/01/24 11:49 |
| - | 2   | (US-6331804-\$ or US-5023189-\$).did.   | USPAT   | 2003/01/24 11:49 |
| - | 18  | jp-0600615\$-\$\$.did.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/01/24 11:50 |
| - | 8   | jp-0600615\$-\$\$.did.  | JPO   | 2003/01/24 11:50 |
| - | 5   | 813604.ap.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/07/07 15:02 |
| - | 392 | input near5 transistor near5 (match<br>matching) near5 impedance  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/07/07 15:20 |
| - | 13  | (US-4200880-\$ or US-4004256-\$ or<br>US-3942186-\$ or US-5387888-\$ or<br>US-5371405-\$ or US-5696466-\$ or<br>US-6348718-\$ or US-6501159-\$ or<br>US-6479846-\$ or US-6455925-\$ or<br>US-6331804-\$).did. or (US-20010004115-\$ or<br>US-20020134993-\$).did. | USPAT;<br>US-PGPUB                                      | 2003/07/07 15:20 |



|  |       |  |   |                  |
|--|-------|--|---|------------------|
|  | 13    | ((US-4200880-\$ or US-4004256-\$ or US-3942186-\$ or US-5387888-\$ or US-5371405-\$ or US-5696466-\$ or US-6348718-\$ or US-6501159-\$ or US-6479846-\$ or US-6455925-\$ or US-6331804-\$).did. or (US-20010004115-\$ or US-20020134993-\$).did.) and input near5 transistor near5 (match matching) near5 impedance  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/07/07 15:23 |
|  | 13    | ((US-4200880-\$ or US-4004256-\$ or US-3942186-\$ or US-5387888-\$ or US-5371405-\$ or US-5696466-\$ or US-6348718-\$ or US-6501159-\$ or US-6479846-\$ or US-6455925-\$ or US-6331804-\$).did. or (US-20010004115-\$ or US-20020134993-\$).did.) and input near5 transistor near5 (match matching) near5 impedance and matching   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/07/07 17:05 |
|  | 48    | (US-6177834-\$ or US-5880517-\$ or US-5696466-\$ or US-5539254-\$ or US-4042952-\$ or US-5387888-\$ or US-5492842-\$ or US-5563447-\$ or US-5519253-\$ or US-5444295-\$ or US-6501159-\$ or US-5973567-\$ or US-5552636-\$ or US-5446959-\$ or US-6331804-\$ or US-5982793-\$ or US-6479846-\$ or US-6455925-\$ or US-6348718-\$ or US-4200880-\$ or US-4004256-\$ or US-3942186-\$ or US-5371405-\$ or US-5023189-\$ or US-6281756-\$ or US-5576661-\$).did. or (US-5206608-\$).did. or (US-20020134993-\$ or US-20010038310-\$ or US-20010004115-\$).did. or (EP-680141-\$ or US-5206608-\$).did. or (JP-04218949-\$ or JP-07270443-\$ or JP-03114251-\$ or JP-05002316-\$ or JP-11238851-\$ or JP-06006150-\$ or JP-04321308-\$ or JP-02005459-\$ or JP-01199436-\$ or JP-01283951-\$ or JP-63086904-\$ or JP-55091148-\$ or JP-05218102-\$ or JP-2001024148-\$).did. or (EP-1237189-\$ or US-6177834-\$ or JP-01050602-\$).did. ((438/10) or (438/11) or (438/13) or (438/14) or (438/17) or (438/18)).CCLS. | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT             | 2003/07/08 07:55 |
|  | 5156  | ((438/10) or (438/11) or (438/13) or (438/14) or (438/17) or (438/18)).CCLS.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/07/08 07:58 |
|  | 7     | ((438/10) or (438/11) or (438/13) or (438/14) or (438/17) or (438/18)).CCLS.) and (rf radio-frequency radio adj frequency) and impedance near12 match\$3 and wir\$3  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/07/08 08:07 |
|  | 10407 | impedance adj matching.ti,ab,clm.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/07/08 08:07 |
|  | 263   | substrate and (die or chip) and (wire-wiring wires)and impedance adj matching.ti,ab,clm.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/07/08 08:09 |
|  | 5     | substrate and transistor and (die or chip) and (wire wiring wires)and impedance adj matching.ti,ab,clm. and ((step steps) near12 order)  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/07/08 08:12 |

|   |      |   |   |                  |
|---|------|---|---|------------------|
| - | 121  | substrate and transistor and (die or chip) and (wire wiring wires)and impedance adj matching.ti,ab,clm.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/07/08 08:54 |
| - | 0    | substrate and transistor and (die or chip) and (wire wiring wires)and impedance adj matching.ti,ab,clm. and ("in" adj situ) near6 (test testing measuring measurement)                          | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/07/08 08:55 |
| - | 0    | substrate and transistor and (die or chip) and (wire wiring wires)and impedance adj matching.ti,ab,clm. and ("in" adj situ) near16 (test testing measuring measurement)                         | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/07/08 08:55 |
| - | 0    | ("in" adj situ) near16 (test testing measuring measurement) same impedance adj matching   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/07/08 08:55 |
| - | 5161 | ((438/10) or (438/11) or (438/13) or (438/14) or (438/17) or (438/18)).CCLS.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/07/10 08:02 |
| - | 18   | ((438/10) or (438/11) or (438/13) or (438/14) or (438/17) or (438/18)).CCLS.) and impedance near20 (match matching) and (wire wiring wires)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/07/10 08:05 |
| - | 3    | ((438/10) or (438/11) or (438/13) or (438/14) or (438/17) or (438/18)).CCLS.) and impedance near20 (match matching) and (wire wiring wires) and transistor near20 (chip die)                    | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2003/07/10 08:05 |
| - | 2    | ("5023189").PN.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/30 17:51 |
| - | 2    | jp-06006150\$-\$\$.did.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/30 18:07 |
| - | 0    | input adj matching adj element near6 connect\$3 near6 transistor and impedance near6 adjust\$4  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/30 18:09 |
| - | 15   | input adj matching near6 connect\$3 near6 transistor and impedance near6 adjust\$4  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/30 18:10 |
| - | 5    | 813604.ap.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/30 18:29 |
| - | 4865 | ((438/5) or (438/6) or (438/10) or (438/11) or (438/12) or (438/13) or (438/17) or (438/18)).CCLS.  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/30 18:29 |
| - | 0    | ((438/5) or (438/6) or (438/10) or (438/11) or (438/12) or (438/13) or (438/17) or (438/18)).CCLS.) and impedance and matching and power adj transistor and wiring near6 (impedance inductance) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/30 18:30 |

|   |     |  |   |                  |
|---|-----|--|---|------------------|
| - | 0   | ((438/5) or (438/6) or (438/10) or (438/11) or (438/12) or (438/13) or (438/17) or (438/18)).CCLS.) and power adj transistor and wiring near6 (impedance inductance) | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/30 18:30 |
| - | 3   | ((438/5) or (438/6) or (438/10) or (438/11) or (438/12) or (438/13) or (438/17) or (438/18)).CCLS.) and transistor and wiring near6 (impedance inductance)           | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/30 18:42 |
| - | 22  | input adj matching adj element   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/30 18:43 |
| - | 7   | input adj matching adj element and transistor  | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/30 18:43 |
| - | 1   | input adj matching adj element and transistor and inductance and (wiring wire wires)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/30 18:43 |
| - | 2   | input adj matching adj element and transistor and inductance and (leads wiring wire wires)   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/30 18:45 |
| - | 586 | (438/10).CCLS.   | USPAT;<br>US-PGPUB;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | 2004/05/30 18:46 |